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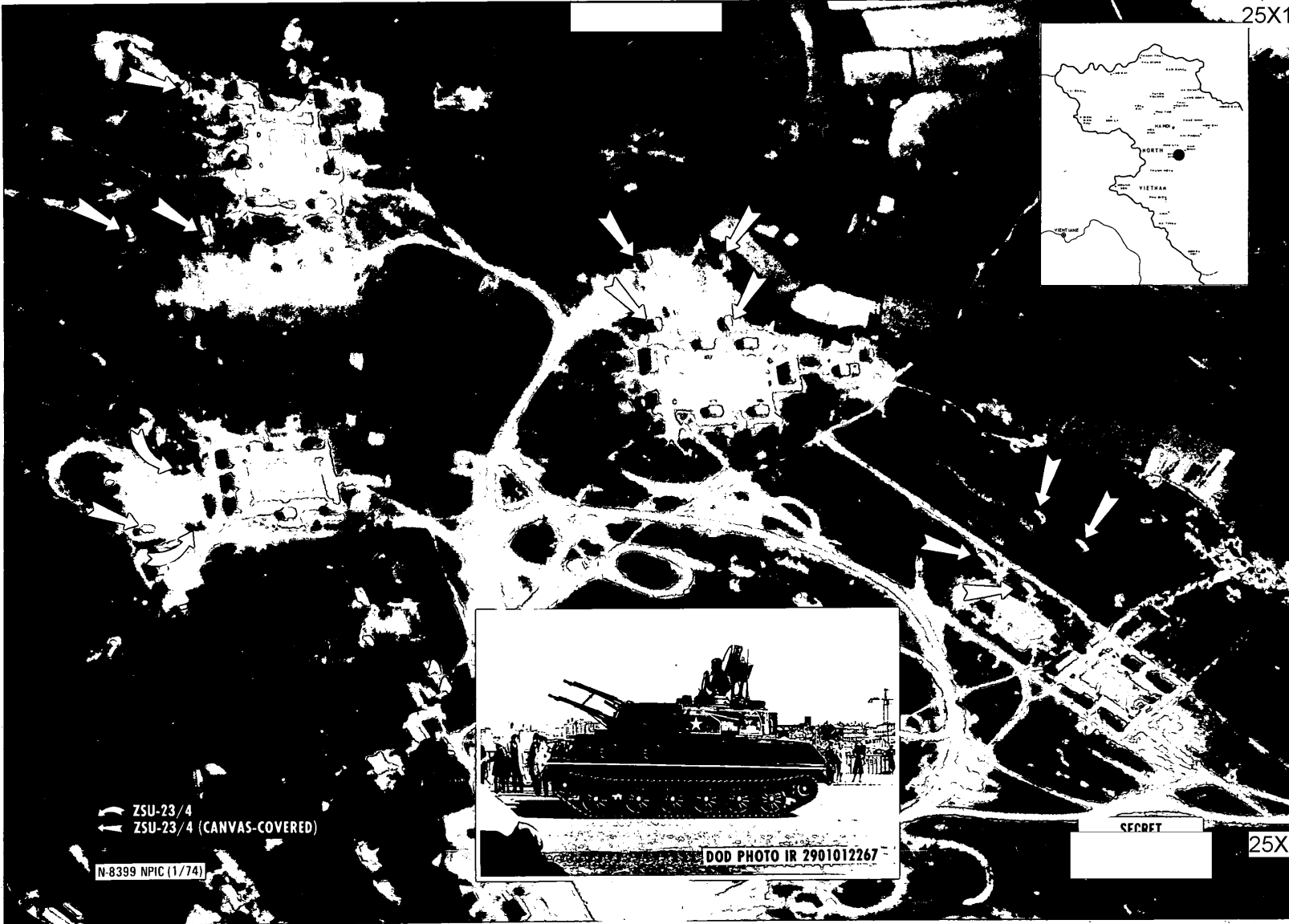
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**ZSU-23/4 SELF-PROPELLED AAA**  
**NINH BINH TRAINING AREA, NORTH VIETNAM**  
**20-13N 105-49E**

GS SB0035, 17 DECEMBER 1973



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ZSU-23/4  
ZSU-23/4 (CANVAS-COVERED)

N-8399 NPIC (1/74)

DOD PHOTO IR 2901012267

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REFERENCE TO: GIANT SCALE MISSION SB0035

ZSU-23/4 SELF-PROPELLED AAA  
NINH BINH TRAINING AREA, NORTH VIETNAM

1. SIGNIFICANCE: THE LARGEST CONCENTRATION OF SOVIET-DESIGNED  
23-MILLIMETER QUAD ANTIAIRCRAFT WEAPONS (ZSU-23/4)  
OBSERVED IN NORTH VIETNAM TO DATE.
2. LOCATION: NINH BINH TRAINING AREA  IS  
8 NAUTICAL MILES (NM) WEST OF NINH BINH AND  
APPROXIMATELY 45 NM SOUTH OF HANOI AT 20-13-01N  
105-49-53E.
3. COLLATERAL: THE ZSU-23/4 IS A SELF-PROPELLED ANTIAIRCRAFT WEAPON  
DESIGNED TO PROVIDE ANTIAIRCRAFT DEFENSE FOR  
MOTORIZED AND ARMORED DIVISIONS. IT CAN ALSO  
BE USED AGAINST GROUND TARGETS.  
  
THE IDENTIFYING FEATURES OF THE ZSU-23/4 ARE  
THE BOXLIKE, RECESSED TURRET AND THE ONCARRIAGE  
FIRE CONTROL GUN DISH RADAR. ITS FOUR AUTOMATIC

25X1

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WEAPONS ARE MOUNTED PARALLEL IN TWO PAIRS,  
ONE SET ABOVE THE OTHER. (WORLD SELF-PROPELLED  
ARTILLERY, DEPARTMENT OF THE ARMY, TM 30-311 KAC  
24/5001-71 APRIL 1971 SECRET).

4. REMARKS:

THE ZSU-23/4 WAS FIRST IDENTIFIED IN NORTH  
VIETNAM ON DRONE PHOTOGRAPHY OF JULY 1972 NEAR  
PHUC YEN AIRFIELD [REDACTED]. NO ZSU-23/4  
HAS BEEN SEEN IN NORTH VIETNAM ON PHOTOGRAPHY  
SINCE THAT SIGHTING.

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5. SPECIFICATIONS/DIMENSIONS:

THE ZSU-23/4 IS APPROXIMATELY [REDACTED] LONG  
AND APPROXIMATELY NINE FEET WIDE. (WORLD  
SELF-PROPELLED ARTILLERY, DEPARTMENT OF THE  
ARMY TM 30-311 KAC 24/5001-71 APRIL 1971 SECRET).

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6. MISSION READOUT:

TWENTY ZSU-23/4'S (14 DEPICTED ON GRAPHIC) WERE  
OBSERVED AT NINH BINH TRAINING AREA. OF THESE, 18 (12 ON GRAPHIC)  
WERE CANVAS-COVERED. THEY WERE PARKED WITHIN THE BARRACKS AND  
TRAINING AREAS IN GROUPS OF THREE AND FOUR WEAPONS APIECE. SEVEN

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PROBABLE ZSU-23/4'S WERE ALSO OBSERVED APPROXIMATELY 1.5 NM WEST OF THE MAIN FACILITY.

ADDITIONAL ACTIVITY WAS OBSERVED IN THE NINH BINH AREA ON 17 DECEMBER. TWO SA-2 SAM SITES IN THE NINH BINH TRAINING AREA WERE OCCUPIED.

A PROBABLE AIR DEFENSE UNIT WAS PRESENT AT PHU NHO QUAM, APPROXIMATELY 7 NM NORTHWEST OF NINH BINH TRAINING AREA. THIS AREA CONTAINED 32 AAA PIECES AND ONE ADDITIONAL AAA PIECE ON DISPLAY WITHIN A BARRACKS AREA.

ENLARGEMENT FACTOR: 40X

COLLATERAL PHOTOS: ZSU-23/4 WITHOUT CANVAS DEPARTMENT OF DEFENSE

IR 2901012267 CONFIDENTIAL

COMMENTS AND QUERIES REGARDING THIS REPORT ARE WELCOME. THEY MAY BE DIRECTED TO THE IMAGERY ANALYST, [REDACTED] OF THE SOUTH ASIA BRANCH, SGD/IEG/NPIC, CODE 143, [REDACTED]

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